

# Land Use and Watershed Management



Presentation for Urban County Council  
November 5, 2013



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# Presentation Topics

1. Status of LFUCG's MS4 Permit
2. Upcoming Revisions to Engineering Manuals

# Status of LFUCG's MS4 Permit

1. 5-year permit to discharge stormwater into waters of the Commonwealth
2. September 1, 2009 – August 31, 2014
3. 167 Measureable Goals for preventing or reducing pollution in stormwater runoff



# Stormwater Quality Management Program

1. Legal Prohibition (Ordinances)
2. Watershed Management
3. Public Education and Outreach
4. Public Involvement and Participation
5. Illicit Discharge Detection and Elimination
6. Construction Site Runoff Control
7. Pollution Prevention in Residential and Commercial Areas
8. Pollution Prevention for Municipal Operations
9. Pollution Prevention for Industrial Facilities
10. Water Quality Monitoring
11. Reporting & Record Keeping

# MS4 Permit 5<sup>th</sup> Year Process

- DWQ and Tetrattech (Project Manager) are conducting review of each program element.
- Staff and Stormwater Stakeholder Advisory Committee are holding meetings to evaluate Measurable Goals for next permit cycle.
- LFUCG's application for permit renewal is due on March 1, 2014 to Kentucky Division of Water.

# Stormwater Stakeholder Advisory Committee

- **LFUCG** (UCC, Planning Commission, EQ&PW)
- **Non-LFUCG Governmental Agencies** (e.g. FCPS, UK, KYTC, VA Hospital...)
- **Private Sector** (e.g. Commerce Lexington, Homebuilders Association of Lexington, Lexington-Bluegrass Association of Realtors...)
- **Citizen's Groups** (e.g. Fayette Alliance, Fayette County Neighborhood Council, Friends of Wolf Run, Friends of Cane Run, Bluegrass Greensource...)
- **Open Seat watershed representatives**

# Pending EPA Stormwater Rule

1. May prescribe stormwater control standards for redevelopment
2. May contain requirements to “retain” runoff on new development using green infrastructure
3. EPA Rule will be reflected in new permit
4. EPA Rule and MS4 Permit will impact Engineering Manuals

# What is Green Infrastructure?

*Mimics stormwater runoff patterns of pre-development*

Permeable Pavements, Infiltration BMPs, Vegetated Roofs,  
Rainwater Harvesting

## EVAPO-TRANSPIRATE

### INFILTRATE



### RE-USE







Version: September 2012

# Consent Decree & MS4 Permit Requirements

## **Lexington-Fayette Urban County Government**

**Stormwater Management  
Low Impact Development Guidelines  
for New Development and Redevelopment**

- ❖ Text revisions to Subdivision Regulations in 2010 to remove barriers to green infrastructure
- ❖ \$230,000 on Green Infrastructure Projects within 5 years as a Supplemental Environmental Project
- ❖ Develop LID guidelines by Sept. 2012
  - ✓ Standards for when appropriate

# Eastern State Hospital Bull Lea Road – New Dev.

- 2012-13  
-bioretention/detention



# Rod Hatfield Chevrolet New Circle Road Addition

- 2013
- Permeable pavers



# Northside RV N. Broadway - Addition

- 2013
- 42,120 sf pervious asphalt



# Status of LFUCG's MS4 Permit

Current LFUCG MS4 Permit	September 1, 2009 to August 31, 2014
State Inspection of LFUCG	October 31, 2012
MS4 Permit 5 <sup>th</sup> Year Internal Review	Summer 2013 thru Spring 2014
MS4 Permit Renewal Application Due	March 1, 2014
New LFUCG 5-year MS4 Permit	September 1, 2014 to August 31, 2019

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# Revisions to the Engineering Manuals

- Modify to reflect current government organization and processes
- Modify to reflect new MS4 Permit requirements
- Incorporate new green infrastructure standards
- Clarify Manuals' design and submittal requirements for development

# Draft Schedule for Manual Revisions

- Staff Input: August – December 2013
- Stakeholder Input: January – June 2014
- MS4 permit issued: September 2014
- Revisions per Final Permit: Fall 2014
- To Planning Commission and Urban County Council



# Questions?

